



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**D412-760-011**  
**Job Sheet 170884**



000300

**Part No:** D412-760-011

**Job Qty:** 2 ea

**Part Name:** Cabin Floor Protectors



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** Medium

**Job Created:** 1/23/18

**Job Tracking No:**

**Due Date:** 2/5/18

**Created By:** Mario Poulin

**Type:** SOLD

**Description:**

**Note:** DWG REV G SHEET 41 IPP rev A 07.07.05 new issue EC IPP Rev:B 08-08-20 revB as per dwg DD verified by:ec

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off                                    |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|---------------------------------------------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                                             |
| 90    | Start up Operation | 2 Ea  | 2/5/18     | 2/5/18   | 0.00      | 0.00    | Start Up Stores/Pkg-1 |           | FEB 09 2018                                 |
| 110   | Packaging          | 2 pcs | 2/5/18     | 2/5/18   | 0.00      | 0.00    | Packaging1-4          |           | FEB 13 2018                                 |
| 120   | QC <i>DAS</i>      | 2 pcs | 2/5/18     | 2/5/18   | 0.00      | 0.00    | QC4                   |           | <i>6</i> <i>SMB</i>                         |
| 125   | DC <i>Chg 002</i>  | 2 pcs | 2/5/18     | 2/5/18   | 0.00      | 0.00    | DC                    |           |                                             |
| 130   | Packaging          | 2 pcs | 2/5/18     | 2/5/18   | 0.00      | 0.00    | Packaging3-2          |           | <i>DAS</i> <i>21</i> <i>9-00</i> <i>SMB</i> |
| 140   | QC21-FG            | 2 Ea  | 2/5/18     | 2/5/18   | 0.00      | 0.00    | QC21                  |           | FEB 26 2018                                 |

**DART**  
AEROSPACE  
**S040996**



Cabin Floor Protectors

PART NO:  
Original Serial #: S040996  
Revision:  
Operation:  
Change No:

D412-760-011

Start up Operation  
CHG002  
Job No: 170884  
02/09/18

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## Job BOM

| Part / Item   | Component Name        | Quantity      | Operation             | Container  |
|---------------|-----------------------|---------------|-----------------------|------------|
| D3574-1       | Cabin Floor Protector | 2 Ea (1 ea)   | 90-Start up Operation |            |
| D3574-2       | Cabin Floor Protector | 2 Ea (1 ea)   | 90-Start up Operation |            |
| D3575-1       | Cargo Floor Protector | 2 Ea (1 ea)   | 90-Start up Operation |            |
| D3575-2       | Cargo Floor Protector | 2 Ea (1 ea)   | 90-Start up Operation |            |
| D3580-1       | Joggle Bracket        | 12 Ea (6 ea)  | 90-Start up Operation | 5046998x11 |
| D3628-1       | Washer, Cupped        | 28 Ea (14 ea) | 90-Start up Operation | 5037318    |
| D3628-3       | Cupped Washer         | 12 Ea (6 ea)  | 90-Start up Operation | 5023806x2  |
| MS24694-S100  | Flat Head Screw       | 12 Ea (6 ea)  | 90-Start up Operation | 5037307    |
| MS24694-S54   | Screw                 | 28 Ea (14 ea) | 90-Start up Operation | 5037307    |
| NAS1149D0363J | Washer                | 56 Ea (28 ea) | 90-Start up Operation | 5037301    |
| NAS1149D0463J | Washer                | 24 Ea (12 ea) | 90-Start up Operation | 5051299    |

## Job Allocations

| Operation             | Component Part                       | Required | Inventory | Allocated |
|-----------------------|--------------------------------------|----------|-----------|-----------|
| 90-Start up Operation | D3574-1 5035739                      | 2        | 2         | 0         |
|                       | D3574-2 5035741                      | 2        | 2         | 0         |
|                       | D3575-1 5035733                      | 2        | 2         | 0         |
|                       | D3575-2 5035728                      | 2        | 2         | 0         |
|                       | x 11 5040998 D3580-1 5041620 x 1     | 12       | 16        | 0         |
|                       | x 21 5037318 D3628-1 x 7 5037317 x 7 | 28       | 294       | 0         |
|                       | D3628-3 x 10 5023806 x 2 5037313     | 12       | 220       | 0         |
|                       | MS24694-S100 5037347                 | 12       | 85        | 0         |
|                       | MS24694-S54 5037303                  | 28       | 168       | 0         |
|                       | NAS1149D0363J 5037301                | 56       | 3,947     | 0         |
|                       | NAS1149D0463J 5051299                | 24       | 4,504     | 0         |

## Part Specifications

Specifications could not be found.

Plex 1/29/18 6:31 AM dart.quirion.sonia



## 5.0 PARTS LIST

| Qty<br>-011 | Qty<br>-013 | Qty<br>-015 | Qty<br>-017 | Qty<br>-019 | Part Number   | Description               |
|-------------|-------------|-------------|-------------|-------------|---------------|---------------------------|
| X           |             |             |             |             | D412-760-011  | CABIN FLOOR PROTECTOR KIT |
|             | X           |             |             |             | D412-760-013  | CABIN FLOOR PROTECTOR KIT |
|             |             | X           |             |             | D412-760-015  | CABIN FLOOR PROTECTOR KIT |
|             |             |             | X           |             | D412-760-017  | CABIN FLOOR PROTECTOR KIT |
|             |             |             |             | X           | D412-760-019  | CABIN FLOOR PROTECTOR KIT |
| 1           |             |             |             |             | D3574-1       | CABIN FLOOR PROTECTOR     |
| 1           |             |             |             |             | D3574-2       | CABIN FLOOR PROTECTOR     |
|             | 1           |             |             |             | D3574-3       | CABIN FLOOR PROTECTOR     |
|             | 1           |             |             |             | D3574-4       | CABIN FLOOR PROTECTOR     |
|             |             | 1           |             |             | D3574-5       | CABIN FLOOR PROTECTOR     |
|             |             | 1           |             |             | D3574-6       | CABIN FLOOR PROTECTOR     |
| 1           |             |             |             |             | D3575-1       | CABIN FLOOR PROTECTOR     |
| 1           |             |             |             |             | D3575-2       | CABIN FLOOR PROTECTOR     |
|             | 1           |             |             |             | D3575-3       | CABIN FLOOR PROTECTOR     |
|             | 1           |             |             |             | D3575-4       | CABIN FLOOR PROTECTOR     |
|             |             | 1           |             |             | D3575-5       | CABIN FLOOR PROTECTOR     |
|             |             | 1           |             |             | D3575-6       | CABIN FLOOR PROTECTOR     |
| 6           | 4           | 6           | 6           | 6           | D3580-1       | JOGGLE BRACKET            |
|             |             |             | 1           |             | D3788-1       | CABIN FLOOR PROTECTOR     |
|             |             |             | 1           |             | D3788-2       | CABIN FLOOR PROTECTOR     |
|             |             |             | 1           |             | D3788-3       | CABIN FLOOR PROTECTOR     |
|             |             |             | 1           |             | D3788-4       | CABIN FLOOR PROTECTOR     |
| 14          | 40          | 14          | 14          | 10          | D3628-1       | CUPPED WASHER             |
| 6           | 8           | 6           | 6           |             | D3628-3       | CUPPED WASHER             |
|             |             |             |             | 1           | D4122-1       | FLOOR PROTECTOR, FORWARD  |
|             |             |             |             | 1           | D4122-3       | FLOOR PROTECTOR, AFT      |
| 28          |             | 28          | 28          |             | NAS1149D0363J | WASHER (AN960JD10)        |
| 12          |             | 12          | 12          |             | NAS1149D0463J | WASHER (AN960JD416)       |
| 14          |             | 14          | 14          |             | MS24694S54    | SCREW                     |
| 6           |             | 6           | 6           |             | MS24694S100   | SCREW                     |

## Change Record

Part Number D412-760-011  
Description CABIN FLOOR PROTECTOR

Page 1 of 1[illegible]

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                     |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MRB (QSI042) Approval<br><br><br>Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                     |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>           Environment <input type="checkbox"/><br/>           Design <input type="checkbox"/><br/>           Doc/Data <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Pre <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Internal Transport <input type="checkbox"/><br/>           Tribal Knowledge <input type="checkbox"/><br/>           LOA <input type="checkbox"/><br/>           Substation <input type="checkbox"/><br/>           Past Expiry Date <input type="checkbox"/><br/>           Misidentified <input type="checkbox"/> </div> <div>           No Re-verification <input type="checkbox"/><br/>           Operator <input type="checkbox"/><br/>           Offset/Setup <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Training <input type="checkbox"/><br/>           Use for Testing <input type="checkbox"/><br/>           Poor Information <input type="checkbox"/><br/>           Rushing <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Past Due <input type="checkbox"/> </div> </div> |  | <b>Pressure/Forced</b> <input type="checkbox"/><br><b>Bending</b> <input type="checkbox"/><br><b>Centre Not Concentric</b> <input type="checkbox"/><br><b>Cracks</b> <input type="checkbox"/><br><b>Crimp/Kink/Ripple/Wave</b> <input type="checkbox"/><br><b>Cuffs</b> <input type="checkbox"/><br><b>Crushing</b> <input type="checkbox"/><br><b>Heat Treat</b> <input type="checkbox"/><br><b>Wave/Twist in Tube</b> <input type="checkbox"/><br><b>Marks/Chatter</b> <input type="checkbox"/> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>           Temperature/Cure <input type="checkbox"/><br/>           Set-up <input type="checkbox"/><br/>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Inspection Incomplete/Unqualified <input type="checkbox"/><br/>           Contamination <input type="checkbox"/><br/>           Countersink <input type="checkbox"/><br/>           Cut Too Short <input type="checkbox"/><br/>           Instructions Incomplete/Unclear <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/> </div> <div>           Power Loss/Surge <input type="checkbox"/><br/>           Folio/Program <input type="checkbox"/><br/>           Grain <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set <input type="checkbox"/><br/>           Misabeled <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/> </div> </div> |  | <div style="display: flex; justify-content: space-between;"> <div>           Positioned Wrong <input type="checkbox"/><br/>           Outside Dimensions <input type="checkbox"/><br/>           Over/Under tolerance <input type="checkbox"/><br/>           Part Incorrect <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Part Moved <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Misread <input type="checkbox"/><br/>           Turning Sequence <input type="checkbox"/> </div> </div> |                                                                                                                                                     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | OTHER : <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                     |  |  |